

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU090219\  
 Data File : VU034184.D  
 Acq On : 01 Sep 2019 21:08  
 Operator : JC/SP  
 Sample : K4648-02  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 MW-7

## Integration Parameters: RTEINT.P

Integrator: RTE  
 Smoothing : ON  
 Sampling : 1  
 Start Thrs: 0.2  
 Stop Thrs : 0

Filtering: 5  
 Min Area: 3 % of largest Peak  
 Max Peaks: 100  
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >  
 Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\82U082919W.M  
 Title : SW846 8260

Signal : TIC

| peak<br># | R.T.<br>min | first<br>scan | max<br>scan | last<br>scan | PK<br>TY | peak<br>height | corr.<br>area | corr.<br>% max. | % of<br>total |
|-----------|-------------|---------------|-------------|--------------|----------|----------------|---------------|-----------------|---------------|
| 1         | 1.299       | 56            | 65          | 71           | rBV3     | 25137          | 36579         | 1.53%           | 0.268%        |
| 2         | 1.399       | 89            | 96          | 102          | rBV      | 46018          | 47890         | 2.01%           | 0.351%        |
| 3         | 1.752       | 198           | 206         | 221          | rVB      | 106333         | 143154        | 6.00%           | 1.049%        |
| 4         | 2.302       | 365           | 377         | 394          | rVB4     | 13733          | 35943         | 1.51%           | 0.263%        |
| 5         | 2.431       | 406           | 417         | 441          | rBV      | 74195          | 144596        | 6.06%           | 1.059%        |
| 6         | 2.695       | 486           | 499         | 517          | rBV2     | 41763          | 113274        | 4.75%           | 0.830%        |
| 7         | 2.778       | 518           | 525         | 553          | rVB3     | 19516          | 46360         | 1.94%           | 0.340%        |
| 8         | 2.984       | 573           | 589         | 607          | rBV2     | 152818         | 334641        | 14.02%          | 2.451%        |
| 9         | 4.071       | 911           | 927         | 946          | rBV4     | 11841          | 32157         | 1.35%           | 0.236%        |
| 10        | 4.862       | 1157          | 1173        | 1190         | rBV      | 328913         | 767082        | 32.15%          | 5.618%        |
| 11        | 4.961       | 1190          | 1204        | 1227         | rVV      | 551601         | 1228913       | 51.50%          | 9.001%        |
| 12        | 5.289       | 1292          | 1306        | 1347         | rBV      | 359056         | 788147        | 33.03%          | 5.773%        |
| 13        | 5.518       | 1367          | 1377        | 1391         | rVB2     | 12642          | 32723         | 1.37%           | 0.240%        |
| 14        | 5.865       | 1470          | 1485        | 1525         | rBV      | 810471         | 1727045       | 72.38%          | 12.650%       |
| 15        | 7.032       | 1832          | 1848        | 1860         | rBV4     | 17235          | 38159         | 1.60%           | 0.279%        |
| 16        | 7.376       | 1941          | 1955        | 1966         | rBV4     | 11755          | 24768         | 1.04%           | 0.181%        |
| 17        | 7.546       | 1990          | 2008        | 2046         | rBV      | 1325673        | 2386126       | 100.00%         | 17.477%       |
| 18        | 9.071       | 2467          | 2482        | 2523         | rBV      | 1202931        | 2062963       | 86.46%          | 15.110%       |
| 19        | 10.289      | 2848          | 2861        | 2889         | rBV      | 937290         | 1555304       | 65.18%          | 11.392%       |
| 20        | 11.132      | 3113          | 3123        | 3135         | rBV2     | 15293          | 24314         | 1.02%           | 0.178%        |
| 21        | 11.463      | 3214          | 3226        | 3249         | rBV      | 1290383        | 2082843       | 87.29%          | 15.256%       |

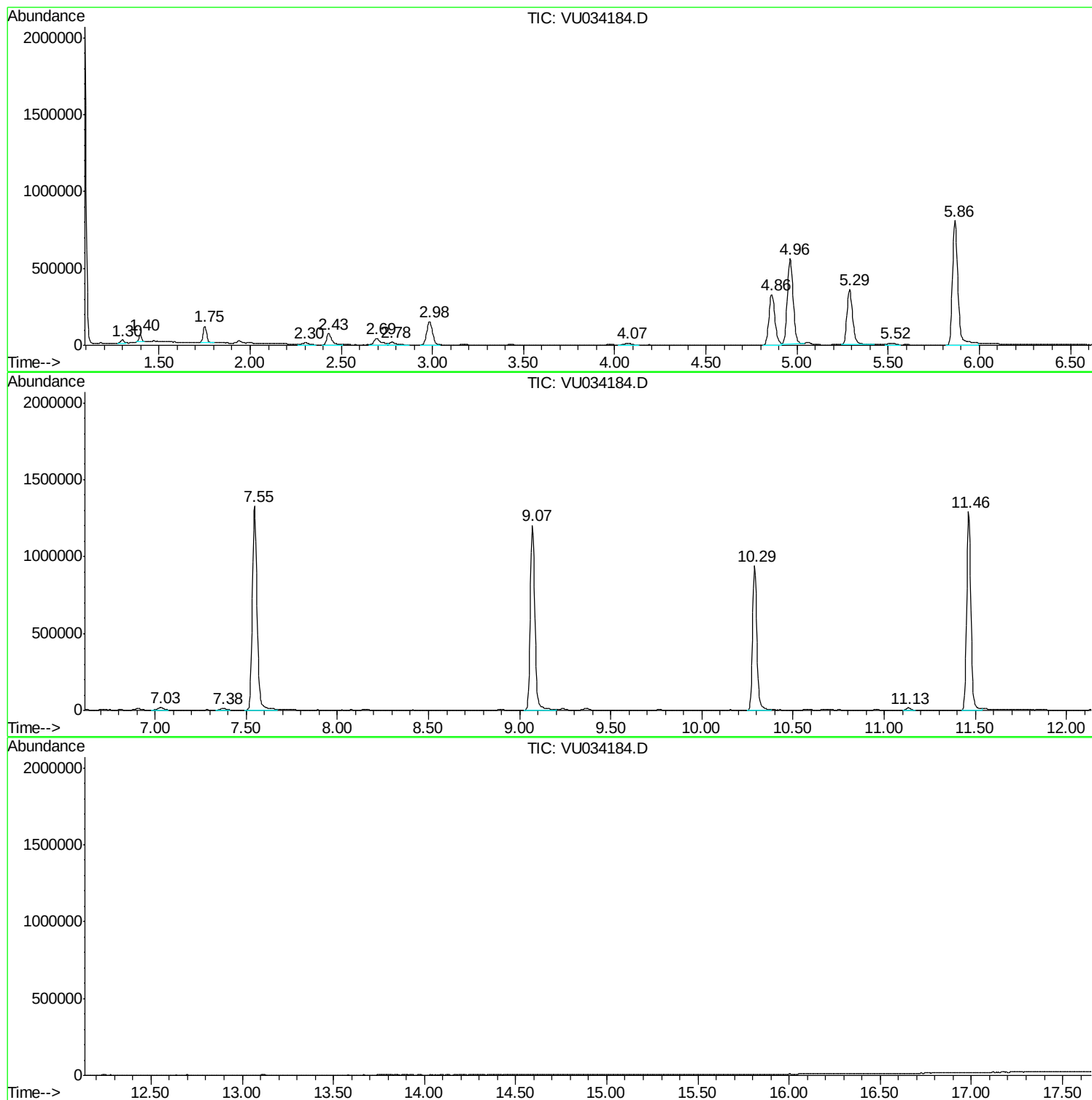
Sum of corrected areas: 13652981

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ClientSampleId :  
MW-7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\82U082919W.M  
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P



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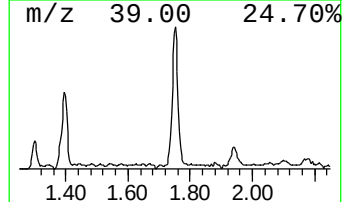
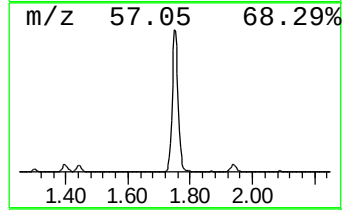
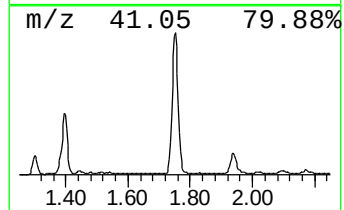
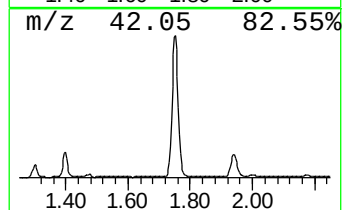
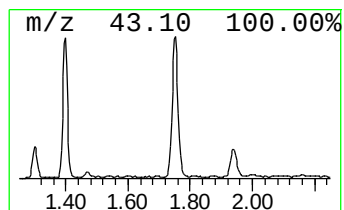
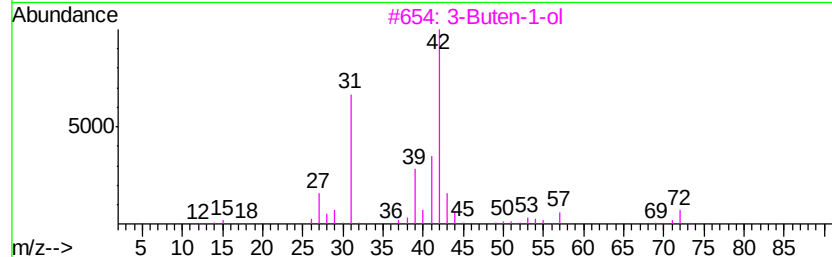
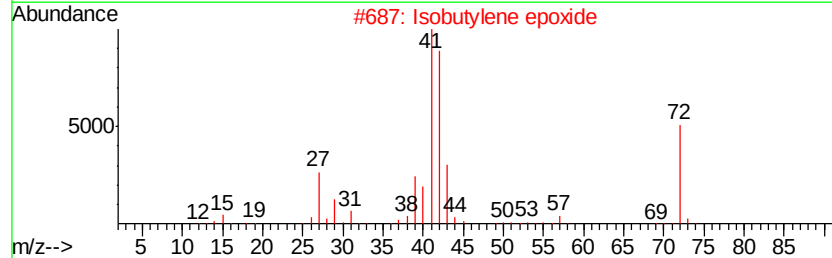
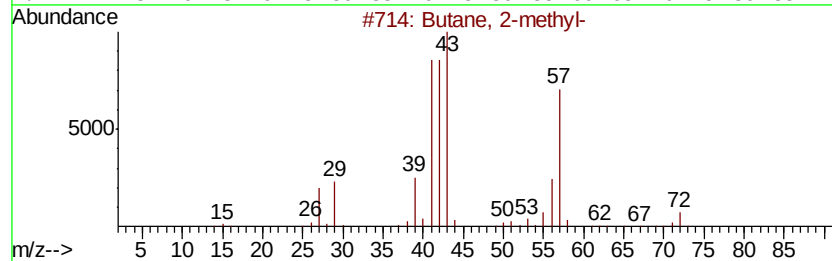
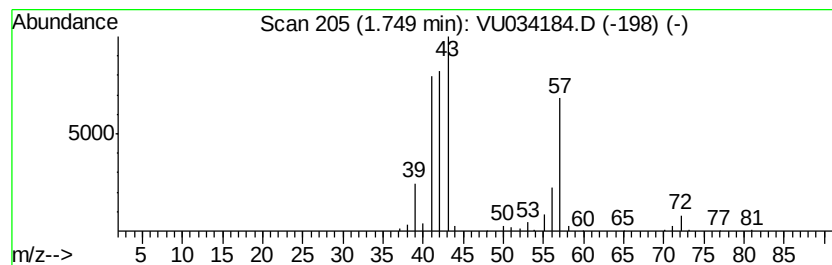
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Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 Butane, 2-methyl- Concentration Rank 2

| R.T.    | EstConc             | Area         | Relative to ISTD   | R.T.      |
|---------|---------------------|--------------|--------------------|-----------|
| 1.75    | 5.82 ug/l           | 143154       | Pentafluorobenzene | 4.96      |
| Hit# of | 5                   | Tentative ID | MW MolForm         | CAS# Qual |
| 1       | Butane, 2-methyl-   | 72 C5H12     | 000078-78-4        | 91        |
| 2       | Isobutylene epoxide | 72 C4H8O     | 000558-30-5        | 42        |
| 3       | 3-Buten-1-ol        | 72 C4H8O     | 000627-27-0        | 38        |
| 4       | Pentane             | 72 C5H12     | 000109-66-0        | 36        |
| 5       | 1-Butene            | 56 C4H8      | 000106-98-9        | 25        |



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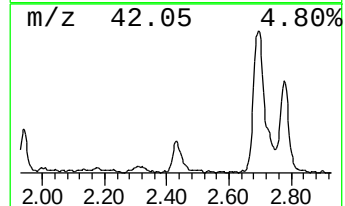
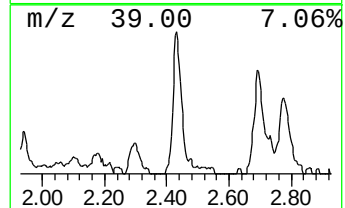
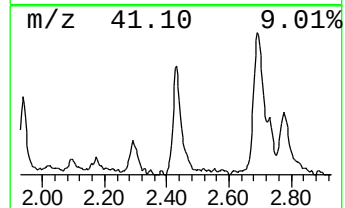
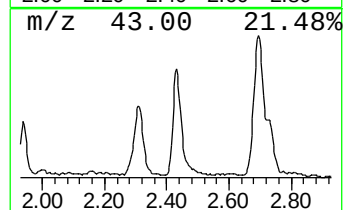
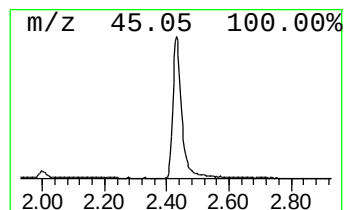
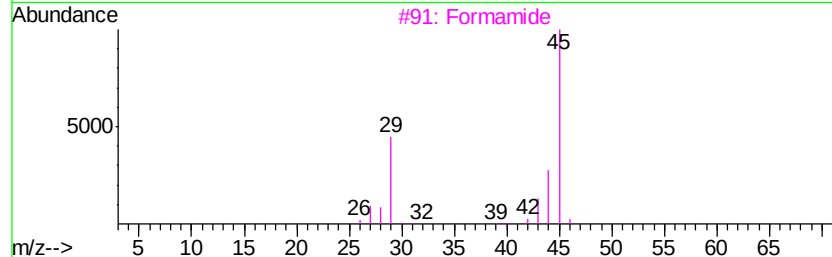
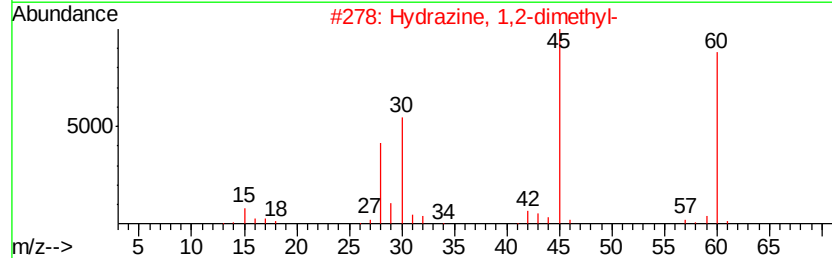
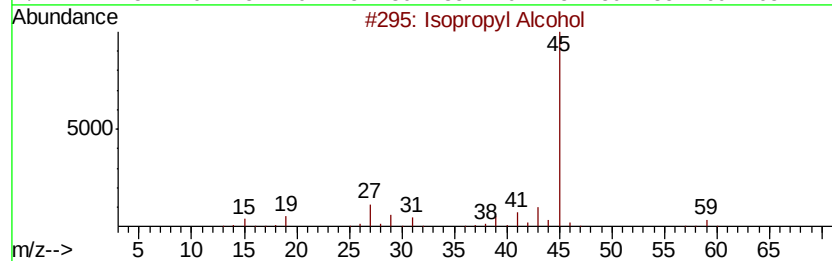
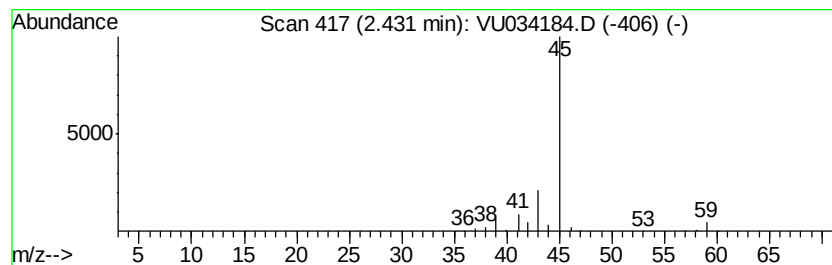
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Peak Number 2 Isopropyl Alcohol Concentration Rank 1

| R.T. | EstConc   | Area   | Relative to ISTD   | R.T. |
|------|-----------|--------|--------------------|------|
| 2.43 | 5.88 ug/l | 144596 | Pentafluorobenzene | 4.96 |

| Hit# of | 5 | Tentative ID             | MW | MolForm | CAS#        | Qual |
|---------|---|--------------------------|----|---------|-------------|------|
| 1       |   | Isopropyl Alcohol        | 60 | C3H8O   | 000067-63-0 | 78   |
| 2       |   | Hydrazine, 1,2-dimethyl- | 60 | C2H8N2  | 000540-73-8 | 9    |
| 3       |   | Formamide                | 45 | CH3NO   | 000075-12-7 | 5    |
| 4       |   | 4-Penten-2-ol            | 86 | C5H10O  | 000625-31-0 | 4    |
| 5       |   | Hydrazine, ethyl-        | 60 | C2H8N2  | 000624-80-6 | 4    |



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| TIC Top Hit name  | RT   | EstConc | Units | Response | --Internal Standard-- |      |         |      |
|-------------------|------|---------|-------|----------|-----------------------|------|---------|------|
|                   |      |         |       |          | #                     | RT   | Resp    | Conc |
| Butane, 2-methyl- | 1.75 | 5.8     | ug/l  | 143154   | 1                     | 4.96 | 1228910 | 50.0 |
| Isopropyl Alcohol | 2.43 | 5.9     | ug/l  | 144596   | 1                     | 4.96 | 1228910 | 50.0 |